Scientia Horticulturae, 52 (1992) 361–363
Elsevier Science Publishers B.V., Amsterdam

Contents of Scientia Horticulturae, Volume 52

VOL. 52 NOS. 1–2 OCTOBER 1992

Endogenous levels of IAA in relation to parthenocarpy in cucumber (*Cucumis sativus* L.)
I.S. Kim, H. Okubo and K. Fujieda (Fukuoka, Japan) 1
Effects of pretransplant nutrient conditioning on elemental accumulation in tomato seedlings
I.E. Widders (East Lansing, MI, USA) and R.W. Garton (Harrow, Ont., Canada) 9
Light duration effects on carbon partitioning and translocation in tomato
S. Logendra and H.W. Janes (New Brunswick, NJ, USA) 19
Influence of applied plant growth regulators on bud dormancy and growth of mangosteen (*Garcinia mangostana* L.)
J. Wiebel, E.K. Chacko (Winnellie, N.T., Australia) and W.J.S. Downton (Adelaide, S.A., Australia) 27
Multivariate analysis of within-tree factors accounting for the variation of peach fruit quality
M. Génard and C. Bruchou (Montfavet, France) 37
Evapotranspiration of grapefruit in the eastern Mediterranean region of Turkey
R. Kanber, A. Yazar, H. Köksal and V. Oguzer (Adana, Turkey) 53
Effect of temperature on shoot growth, flowering and fruit growth of purple passionfruit (*Passiflora edulis* Sims var. *edulis*)
N. Utsunomiya (Kyoto, Japan) 63
The effects of interfruit competition on the size of sweet pepper (*Capsicum annuum* L.) fruits
A.M. Ali (Shambat, Sudan) and W.C. Kelly (Ithaca, NY, USA) 69
Effective pollination period as related to stigma receptivity in apricot
J. Egea and L. Burgos (Murcia, Spain) 77
Effect of nitrogen fertilisation on the free amino acid composition of kiwifruit during development and postharvest storage
C.J. Clark, G.S. Smith and H.L. Boldingh (Hamilton, New Zealand) 85
Nutritional requirements for growth and yield of strawberry in deep flow hydroponic systems
K.K. Chow, T.V. Price (Bundoora, Australia) and B.C. Hanger (Knoxfield, Australia) 95
The 4-methylene-glutamine: asparagine ratio in the shoot of tulip bulbs cv. 'Apeldoorn' as a criterion for their dry storage duration at 5°C
H. Lambrechts, C. Kollöffel (Utrecht, Netherlands) and J.M. Franssen (Lisse, Netherlands) 105
Flooding, mineral nutrition and gas exchange of mango trees
K.D. Larson, B. Schaffer (Homestead, FL, USA), F.S. Davies (Gainesville, FL, USA) and C.A. Sanchez (Belle Glade, FL, USA) 113
Cashew tree nutrition related to biomass accumulation, nutrient composition and nutrient cycling in sandy red earths of Northern Territory, Australia
N.K. Richards (Darwin, N.T., Australia) 125
In vitro propagation of *Prunus tenella* Batsch. cv. 'Firehill': control of vitrification; increase of the multiplication rate and growth by chilling
L. Bouza, M. Jacques, Y. Arnaud (Paris, France) and Y. Mazière (Commentry, France) 143

Short Communications
Effect of growth regulators on plant production of strawberry mother plants
V.V. Pankov (Donetsk, Ukraine) 157
Effects of media composition and culture conditions on in vitro rooting of rose
S.M. Rahman, M. Hossain, A.K.M. Rafiul Islam and O.I. Joarder (Rajshahi, Bangladesh) .. 163

Announcement 171
Guide for Authors 173

VOL. 52 NO. 3 NOVEMBER 1992

An empirical model for the simulation of leaf appearance and leaf area development of primary shoots of several grapevine (*Vitis vinifera* L.) canopy-systems
H.R. Schultz (Geisenheim, Germany) 179
Influences of uniconazole on growth, fruiting, and photosynthetic activity of tissue culture-propagated own-rooted apple trees
G.L. Steffens and R.H. Zimmerman (Beltsville, MD, USA) 201
Using radiography to attempt to screen for haploid embryos in apple seeds
L. Bouvier, A. Chavagnat, Y.X. Zhang and Y. Lespinasse (Beaucouzé, France) 215
Influence of root pruning and water stress on growth and physiological factors of potted apple, grape, peach and pear trees
S. Poni, M. Tagliavini, D. Neri, D. Scudellari and M. Toselli (Bologna, Italy) 223
Identification of rose cultivars by restriction fragment length polymorphism
S. Rajapakse, M. Hubbard, J.W. Kelly, A.G. Abbott and R.E. Ballard (Clemson, SC, USA) 237
Differences between *Nerine* hybrids in micropropagation potential
J.B.M. Custers and J.H.W. Bergervoet (Wageningen, Netherlands) 247
Preliminary investigations into the influence of *Pseudomonas cepacia* on infection and survival of protease in *Phytophthora cinnamomi* infected potting mix
L.V. Turnbull, H.J. Ogle, A.M. Stirling and P.J. Dart (Brisbane, Qld., Australia) 257

Short Communication
The relative humidity at which bananas are stored or ripened does not influence their susceptibility to mechanical damage
P. Akkaravessapong, D.W. Turner (Nedlands, W.A., Australia) and D.C. Joyce (South Perth, W.A., Australia) 265

Calendar of Events 269

VOL. 52 NO. 4 DECEMBER 1992

In vitro seed production from sex-modified male spinach plants regenerated from callus cultures
J.M. Al-Khayri, F.H. Huang, T.E. Morelock and T.A. Busharar (Fayetteville, AR, USA) 277
Leaf conductance and rate of crop transpiration of greenhouse grown sweet pepper (*Capsicum annuum* L.) as affected by carbon dioxide
E.M. Nederhoff, A.A. Rijsdijk and R. de Graaf (Naaldwijk, Netherlands) 283

Effect of apple tree spacing and summer pruning on leaf area distribution and light interception
J.W. Palmer, D.J. Avery (Maidstone, UK) and S.J. Wertheim (Wilhelminadorp, Netherlands) 303
Comparative gas exchange characteristics of potted, glasshouse-grown almond, apple, fig, grape, olive, peach and Asian pear
S.S. Higgins, F.E. Larsen, G.K. Radamaker, J.H. Bassman (Pullman, WA, USA), R.B. Bendel (Storrs, CT, USA), W.R. Bidlake (Tampa, FL, USA) and A. Al Wir (Amman, Jordan) 313
Respiration of geranium and petunia in response to low night temperature
R.H. Merritt, R.Y. Evans, H.C. Kohl, Jr. and L.L. Dodge (Davis, CA, USA) 331
Effects of CO_2 enrichment on the physiology and propagation of two Australian ornamental plants, *Chamelaucium uncinatum* (Schauer) × *Chamelaucium floriferum* (MS) and *Correa schlechtendalii* (Behr)
W.J.R. Grant, W.J.S. Downton, B.R. Loveys (Adelaide, S.A., Australia) and H.M. Fan (Guangzhou, People's Republic of China) 337
Gamma irradiation for insect disinfestation damages native Australian cut flowers
K.A. Seaton (South Perth, W.A., Australia) and D.C. Joyce (St Lucia, Qld., Australia) 343

Author Index 357